

### ABSTRACT

A compact instrument primarily for indicating ambient temperature on clothing or baggage. Just press the button and the unit will speak and tell you the temperature. Features include replaceable Lithium battery for cold weather operation  
5 below -20c. The instrument can be used on jackets, baggage, brief cases, computer bags, sport bags, or back packs; it can also be used as a key chain. The instrument can also be adapted to talk in synthetic speech of air pressure, humidity, wind, wind-chill, UV readings, x-ray readings, dust particles, radon gas, carbon monoxide and/or most other environmental conditions. The primary form of this instrument is small and  
10 compact, and can be used as a zipper pull for a parka or jacket. It houses a printed circuit board with batteries, or battery, speaker, speech synthesizer and microprocessor. No visual indication is present to the user, only audio information on the environment being sensed. The microprocessors can be set up for any specific limits to announce to the user of a condition.